Intel pilication No PC I / US U3/38706

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D471/04 C07D405/12 C07D409/12 C07D213/73 C07D401/12 C07D495/04 A61K31/4427 A61P31/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 $^{\prime}$ CO7D A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, CHEM ABS Data, WPI Data

0-4		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/27103 A (SMITH-KLINE) 19 April 2001 (2001-04-19) the whole document	1-3, 9-19, 24-47
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 02, 29 February 2000 (2000-02-29) & JP 11 302173 A (MITSUI CHEM INC), 2 November 1999 (1999-11-02) figures; examples 5-11,63-67	1,9,24, 34
X	EP 1 000 935 A (TSUMURA) 17 May 2000 (2000-05-17) page 1 -page 6; claims; examples 20-23,42-46,56,57,65,90	1,9,24, 34

χ Patent family members are listed in annex.
 "T" later document published after the International filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of mailing of the International search report 21/04/2004
Authorized officer Francois, J

intern: pplication No
PCT/US 03/38706

C.(Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	PC1/US 03/	30700	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	le le	Relevant to claim No.	
	appropriately of the recording passages		neievanii io cianti No.	
X	WO 93/04035 A (BOEHRINGER) 4 March 1993 (1993-03-04) claims; examples 3,5,10		1,9,24, 34	
Ρ,Χ	WO 03/086396 A (TSUMURA) 23 October 2003 (2003-10-23) the whole document		1,9,24, 34	
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			. '."	

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Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 43 to 47 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box Ii	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This inte	ernational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

Interr illication No PCT/US 03/38706

				PC1/US 03/38/06			
	atent document d in search report		Publication date		Patent family member(s)		Publication date
WO	0127103	Α	19-04-2001	AU	7874700	Α	23-04-2001
				BR	0014470		24-09-2002
				CA	2387016	A1	19-04-2001
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International application No.

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Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

In part, the present invention is directed to antibacterial compounds of formula (I):

$$(Y_1)_a$$
 A
 R_1
 R_2
 R_1
 R_2

(1)

wherein A is a bicyclic heteroaryl ring or a tricyclic ring and R_2 is an heterocyclic residue; L is a bond, or L is alkyl, alkenyl or cycloalkyl.